

Docket No.: 273056US0PCT

OBLON
SPIVAK
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P.C.

ATTORNEYS AT LAW

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

RE: Application Serial No.: 10/537,407

Applicants: Shigehiko IMAGAWA, et al.

Filing Date: June 2, 2005

For: ERYTHROPOIETIN PRODUCTION ACCELERATOR

Group Art Unit: 1645

Examiner:

SIR:

Attached hereto for filing are the following papers:

Letter

English Translation International Preliminary Report on Patentability

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

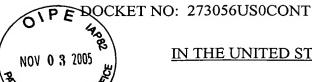
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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

RE APPLICATION OF

ATTECATION OF

SHIGEHIKO IMAGAWA, ET AL..

SERIAL NO: 10/537,407

FILED: JUNE 2, 2005 : GROUP ART UNIT: 1645

FOR: ERYTHROPOIETIN PRODUCTION

ACCELERATOR

LETTER

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicants wish to make of record the attached International Preliminary Report on

Patentability. Copies of the references listed therein were filed on June 2, 2005.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

Norman F. Oblon

Customer Number

22850

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PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rule 72.2)

To:

THE PATENT CORPORATE BODY ARUGA PATENT OFFICE

KYODO BLDG.

3-6, Nihonbashiningyocho 1-Chome Chuo-ku, Tokyo 103-0013

JAPON



Date of mailing (day/month/year)
29 September 2005 (29.09.2005)

Applicant's or agent's file reference KW0112

IMPORTANT NOTIFICATION

International application No. PCT/JP2003/015589

International filing date (day/month/year)
05 December 2003 (05.12.2003)

Applicant

KOWA CO., LTD. et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

AZ, CA, CH, CN, EP, GH, KG, KP, KR, MK, MZ, RO, RU, TM

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, BA, BB, BG, BR, BY, BZ, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, ES, FI, GB, GD, GE, GM, HR, HU, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, SC, SD, SE, SG, SK, SL, SY, TJ, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 70 10

PATENT COOPERATION TREATY

РСТ/ЈР2003/015589

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference KW0112	FOR FURTHER AC	CTION	See Form PCT/IPEA/416		
International application No. PCT/JP2003/015589	International filing da 05 December 20		Priority date (day/month/year) 06 December 2002 (06.12.2002)		
International Patent Classification (IPC) o C07D 211/58, 401/06, 401/14			A61P 7/00, 7/06, 43/00		
Applicant	KOWA C	O., LTD.			
This report is the international pr Authority under Article 35 and to	eliminary examination repransmitted to the applicant	ort, established by this according to Article 3	s International Preliminary Examining 6.		
2. This REPORT consists of a total	of6_ sheets.	including this cover s	sheet.		
3. This report is also accompanied to		_			
a. (sent to the applicant o	and to the International Bu	reau) a total of	sheets, as follows:		
sheets of the d and/or sheets o Administrative	containing rectifications au	rawings which have b thorized by this Auth	een amended and are the basis of this report ority (see Rule 70.16 and Section 607 of the		
sheets which s beyond the dis Supplemental	sclosure in the internationa	t which this Authorit I application as filed,	y considers contain an amendment that goes as indicated in item 4 of Box No. I and the		
	s indicated in the Supplem	ning a sequence listing	/pe and number of electronic carrier(s)) ng and/or tables related thereto, in computer o Sequence Listing (see Section 802 of the		
4. This report contains indications	relating to the following ite	ems:			
Box No. I Basis of th	e report				
Box No. II Priority	Box No. II Priority				
Box No. III Non-establ	lishment of opinion with re	gard to novelty, inven	ative step and industrial applicability		
Box No. IV Lack of un	ity of invention				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;					
1 []	citations and explanations supporting such statement Box No. VI Certain documents cited				
Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application					
Date of submission of the demand		Date of completion	of this report		
14 April 2004 (14.04.2004)		24 September 2004 (24.09.2004)			
Name and mailing address of the IPEA/JP		Authorized officer			
Faccimile No.		Tolookou N.			

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

Box No. I Basis of the report	PCT/JP2003/015589
1. With regard to the language, this report is based on the international application otherwise indicated under this item. ©	in the language in which it was filed, unless
This report is based on translations from the original language into the which is language of a translation furnished for the purpose of:	following language,
international search (under Rules 12.3 and 23.1(b))	•
publication of the international application (under Rule 12.4)	
international preliminary examination (under Rules 55.2 and/or 55.3)	
received by this Allthornt	, as originally filed/furnished ty on , as originally filed/furnished , as originally filed/furnished ded (together with any statement) under Article 19
pages* received by this Authorit	
the drawings:	y on
pages	
pages*	, as originally filed/furnished
pages* received by this Authority received by this Authority	
a sequence listing and/or any related table(s) – see Supplemental Box Relating	g to Sequence Listing.
The amendments have resulted in the cancellation of:	
the description, pages	
the claims, Nos.	
the drawings, sheets/figs	
the sequence listing (engation).	
the sequence listing (specify):	
any table(s) related to sequence listing (specify):	
This report has been established as if (some of) the amendments annexed to made, since they have been considered to go beyond the disclosure as file (Rule 70.2(c)). the description, pages	o, as indicated in the Supplemental Box
the claims, Nos.	
the drawings, sheets/figs	
the sequence listing (specify):	
any table(s) related to sequence listing (specify):	
f item 4 applies, some or all of those sheets may be marked "superseded."	·
	·
PCT/IPEA/409 (Box No. I) (January 2004)	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2003/015589

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:
the entire international application.
Claims Nos
because: the said international application, or the said claims Nos. the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify): See supplemental sheet
the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):
the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
no international search report has been established for said claims Nos
the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:
the written form has not been furnished
does not comply with the standard
the computer readable form has not been furnished
does not comply with the standard the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.
see Supplemental Box for further details.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP 03/15589

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Sup	pleme	ental	Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: III. 1.

The inventions set forth in claims 31-45 pertain to methods for treatment of the human body by therapy.

PCT/JP 03/15589

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;

citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims	1-30	YES	
•	Claims	•	NO	
Inventive step (IS)	Claims	1-30	YES	
	Claims		NO NO	
Industrial applicability (IA)	. Claims	1-30	YES	
	Claims		NO	

2. Citations and explanations

- 1. US 6395753 B1
- 2. WP 01/00589 A1
- 3. JP 11-171774 A

Claims 1-30

Although document 1 discloses the fact that compounds represented by general formula (1) in the present application have an inhibiting action on cell adhesion or cell infiltration, and that medicaments having said compounds as an active ingredient are efficacious in the treatment of disorders such as asthma, allergies, rheumatism, arteriosclerosis, inflammation and Sjögren's syndrome, it does not mention that the inhibiting action on cell adhesion or cell infiltration is pharmacologically closely associated with treatment of anaemia or disorders arising from depressed erythropoietin (EPO) production.

Documents 2 and 3, on the other hand, disclose agents for treating anaemia by heightening sensitivity to EPO; however these have a basic structure which differs from compounds represented by general formula (1) in the present application.

Moreover, even when the disclosures in documents 1-3 are considered together, the use of compounds represented by general formula (1) in the present application as

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP 03/15589

therapeutic agents for anaemia or disorders arising from depressed EPO production cannot be considered obvious to a person skilled in the art.

Therefore, the inventions set forth in claims 1-30 in the present application are novel and involve an inventive step relative to documents 1-3.